

; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_RNA
; LOCATION: (1) .. (19)
; OTHER INFORMATION: siRNA sense strand
US-10-940-892-2571350

Query Match 13.2%; Score 19; DB 13; Length 19;
Score over Length 100.0%;
Best Local Similarity 84.2%;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 26 GGTATGAAAGCCAGCTACA 44
| : | : | | | | | | | : | | |
Db 1 GGU AUGAAAGGCCAGCUACCA 19

RESULT 16
US-10-714-333A-177846
; Sequence 177846, Application US/10714333A
; Publication No. US20070031844A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING NUMBER: 20031844A1

; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 177846
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-177846

Query Match 13.2%; Score 19; DB 17; Length 19;
Score over Length 100.0%;
Best Local Similarity 78.9%;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 119 AATGGGAGTTCCAAGAGA 137
|| : || | :: : || | || |
Dg 1 AAUGGGAGUUCCAAAGAGA 19

RESULT 17
US-10-714-333A-177941
; Sequence 177941, Application US/10714333A
; Publication No. US2007003184A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: ANDREW TANAHASHI

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; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 177941
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-10-714-333A-177941

Query Match          13.2%; Score 19; DB 17; Length 19;
Score over Length    100.0%;
Best Local Similarity 78.9%;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      119 AATGGAGTTCCAAGAGA 137
| : | || | ::: || | | | |
Db      1 AAUGGGAGUUUCCAAAGAGA 19

RESULT 18
US-10-714-333A-182471
; Sequence 182471, Application US/10714333A
; Publication No. US20070031844A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; ADDRESS: 7500 Research Drive, Suite 100, Rockville, MD 20850, USA
;
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; Sequence 182476, Application US/10714333A
; Publication No. US20070031844A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacor, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 182476
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-182476

Query Match 13.2%; Score 19; DB 17; Length 19;
Score over Length 100.0%;
Best Local Similarity 68.4%;
Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 105 TGAATGATCTCAAATGG 123
Db :|||:||:||:||||:|||
1 UGAAUAGAUCUCAAAUGG 19

RESULT 20

US-10-714-333A-182482

; Sequence 182482, Application US/10714333A

; Publication No. US2007003184A1

; GENERAL INFORMATION:

; APPLICANT: Dharmacon, Inc.

; APPLICANT: Khvorova, Anastasia

; APPLICANT: Reynolds, Angela

; APPLICANT: Leake, Devin

; APPLICANT: Marshall, William

; APPLICANT: Scaringe, Stephen

; TITLE OF INVENTION: Functional and Hyperfunctional siRNA

; FILE REFERENCE: 13499US

; CURRENT APPLICATION NUMBER: US/10/714,333A

; CURRENT FILING DATE: 2003-11-14

; PRIOR APPLICATION NUMBER: 60/502,050

; PRIOR FILING DATE: 2003-09-10

; PRIOR APPLICATION NUMBER: 60/426,137

; PRIOR FILING DATE: 2002-11-14

; NUMBER OF SEQ ID NOS: 1591911

; SOFTWARE: Proprietary

; SEQ ID NO 182482

; LENGTH: 19

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-714-333A-182482

Query Match 13.2%; Score 19; DB 17; Length 19;

Score over Length 100.0%;

Best Local Similarity 78.9%;

Matches 15; Conservative 4; Mismatches 0;

Indels 0; Gaps 0;

Qy 117 CAAATGGAGTTCCAAGA 135
| | | : | | | :: | | | |
Db 1 CAAAUGGAGUUUCCAAAGA 19

RESULT 21
US-10-714-333A-182490
; Sequence 182490, Application US/10714333A
; Publication No. US20070031844A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 182490
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-182490

Query	XY	84	CTACGTTGATTTCAGAGAA	102					
Match		: : :							
Score over Length		100.0%;							
Best Local Similarity		68.4%;							
Matches	13;	Conservative	6;	Mismatches	0;	Indels	0;	Gaps	0;
Db		1	CUACGUUGAUUUCAGAGAA	19					

RESULT 22
US-10-714-333A-182505
; Sequence 182505, Application US/10714333A
; Publication No. US20070031844A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 182505
; LENGTH: 19
; TYPE: DNA

; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-182505

Query Match 13.2%; Score 19; DB 17; Length 19;
Score over Length 100.0%;
Best Local Similarity 52.6%;
Matches 10; Conservative 9; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTACTTCTACGGTTGATTTC 96
|:|::|:|||::|:|:
Db 1 GUACUUACGUUGAUUUC 19

RESULT 23
US-10-940-892-1847772
; Sequence 1847772, Application US/10940892
; Publication No. US20050255487A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Read, Steven
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Methods and Compositions for Improving
; TITLE OF INVENTION: siRNA Functionality
; FILE REFERENCE: 13608PCT
; CURRENT APPLICATION NUMBER: US/10/940,892
; CURRENT FILING DATE: 2004-09-14
; NUMBER OF SEQ ID NOS: 2675299
; SOFTWARE: Proprietary
. CTA TTN 1047772